



TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2019-09-06-15 Date: 04-07-19
Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name : Construction of RCC Drains at 4th Cross Ananthpura and
Agency : Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference : EE(YNK.D)E-PMT-09/W.O/29/2019-20
Source of Sample : Sample supplied by Agency
Sample condition : Satisfactory
Date of Receipt : 01-07-19
Sample Type : 40mm down size coarse aggregate
Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties
Date of test : 01-07-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	588	588	3.9	96.1	90-100
3	20 mm	4899	5487	36.6	63.4	30-70
4	10 mm	7142	12629	84.2	15.8	10-35
5	4.75 mm	2116	14745	98.3	1.7	0-5
6		255	15000	100.0	0	---

ಸಹಾಯಕ ಅಧೀಕ್ಷಕರು, ಯುಪಿಎಂಸಿ ಸರ್ಕಾರಿ ಅಧೀಕ್ಷಕರು, ಬಿ.ಎಂ.ಸಿ. ಬೆಂಗಳೂರು-106

R. K. H.
CIVIL PRO
Sig. _____
Date. _____
BANG.



TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2019-09-06-15 Date: 03-07-19

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drains at 4th Cross Ananthpura and Surrounding Areas in Ward No.03, Attur.

Agency : Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.

Customer Reference : EE(YNK.D)E-PMT-09/W.O/29/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 01-07-19

Sample Type/ Size : 20mm down size coarse aggregate

Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties

Date of test : 01-07-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	199	199	4.0	96.0	90-100
3	10 mm	3152	3351	67.0	33.0	25-55
4	4.75 mm	1459	4810	96.2	3.8	0-10
5	75 µm	190	5000	100	0	-

ಸಹಾಯಕ ಅಧ್ಯಕ್ಷರ ಅಧಿಕಾರದಲ್ಲಿ
ಯುಪರ ಕಾರ್ಯದರ್ಶಿ ಸಹವಿಭಾಗ
ಇ.ಇ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-108





TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2019-09-06-15 Date: 03-07-19

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drains at 4th Cross Ananthpura and Surrounding Areas in Ward No.03, Attur.

Agency : Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.

Customer's Reference : EE(YNK.D)E-PMT-09/W.O/29/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 01-07-19

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption

Date of test : 01-07-19

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	29	29	2.9	97.1	90-100	90-100	90-100	95-100
3	2.36 mm	55	84	8.4	91.6	60-95	75-100	85-100	95-100
4	1.18 mm	234	318	31.8	68.2	30-70	55-90	75-100	90-100
5	600 micron	209	527	52.7	47.3	15-34	35-59	60-79	80-100
6	300 micron	200	727	72.7	27.3	5-20	8-30	12-40	15-50
7	150 micron	199	926	92.6	7.4	0-10	0-10	0-10	0-15
8	Pan	74	1000	100.0	0.0	---	---	---	---

Result : The tested Sample Conforms to Grading Zone II

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ಪಿ.ಓ.ಎಂ.ಓ. ಬೆಂಗಳೂರು-108

P.V. S.

CIVIL PRO

Sig

Date

BANG



TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-09-06-15 Date: 15/07/2019

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drains at 4th Cross Ananthpura and Surrounding Areas in Ward No.03, Attur.

Agency : Sri.A Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.

Customer's Reference : EE(YNK.D)E-PMT-09/W.O/29/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 10-07-19

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete C15

Date of test : 15/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ² ,
1	PCC	M15	08/07/2019	15/07/2019	151.03 X	22950	8.158	290.1	12.6	12.8
					151.96 X					
					150.26					
2	PCC	M15	08/07/2019	15/07/2019	150.09 X	22781	8.202	295.1	13.0	
					151.78 X					
					151.23					
3	PCC	M15	08/07/2019	15/07/2019	149.24 X	22488	8.386	285.7	12.7	
					150.68 X					
					151.63					

Note:

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 All information furnished by Customer/Representative
 Any correction in the report will make this report invalid
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 Samples will be disposed after 90 days from the date of issue of test certificate

ಸಾಂಪದ್ಯ ಮಾಹಿತಿ ಒದಗಿಸಿದುದಾಗಿ
 ಯಾವುದೇ ಸುಧಾರಣೆ ಮಾಡಬಾರದು.
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FOR CIVIL PRO.

R KARTHIK RECHAN
 Authorized Signatory
 Quality Manager



TEST REPORT OF PRECAST COVER SLAB

Lab ID : CP-2019-09-06-15 Date: 20-07-19
Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name : Construction of RCC Drains at 4th Cross Ananthpura and Surrounding Areas in Ward No.03, Attur.
Agency : Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference : EE(YNK.D)E-PMT-09/W.O/29/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 16-07-19
Sample Type /Size : Precast Cover Slab(100 mm)
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test : 16/07/2019

SL No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm ²)	(N/mm ²)	(N/mm ²)
1	Cover Slab-1	75.52	100.49	1.116	4478	80.9	18.1	16.8	21.0
2	Cover Slab-2	75.49	100.51	1.134	4475	82.5	18.4	17.1	21.4
3	Cover Slab-3	75.50	100.52	1.126	4476	83.3	18.6	17.3	21.6

Note:

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ಸಹಾಯಕ ಅಧೀಕ್ಷಕರ ಅಧಿಕಾರದಲ್ಲಿ
ಯಶವಂತರಾಜ್ ಸುಪ್ರಸಿದ್ಧ ಸುಪ್ರವೀಕ್ಷಣೆ
ಪಿ.ಪಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-108



FOR CIVIL PRO.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager



TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-09-06-15 Date: 16/07/2019
Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name : Construction of RCC Drains at 4th Cross Ananthpura and Surrounding Areas in Ward No.03, Attur.
Agency : Sri.A Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference : EE(YNK.D)E-PMT-09/W.O/29/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 11-07-19
Customer ID : Drain Bottom Slab Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M20 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete C15
Date of test : 16/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Drain Bottom Slab Concrete	M20	09/07/2019	16/07/2019	150.13 X 150.94 X 149.50	22661	8.762	411.2	18.1	18.3
2	Drain Bottom Slab Concrete	M20	09/07/2019	16/07/2019	149.24 X 149.46 X 151.53	22305	8.486	408.3	18.3	
3	Drain Bottom Slab Concrete	M20	09/07/2019	16/07/2019	150.45 X 149.82 X 151.47	22540	8.281	418.1	18.5	

Note:

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ಸಹಾಯಕ ಅಧೀಕ್ಷಕರ ಅಧಿಕಾರದಲ್ಲಿ
ಯಶವಂತ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಜಿ.ಜಿ.ಎಂ.ಡಿ. ಬೆಂಗಳೂರು-108

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FOR CIVIL Pro.
(Signature)
R KARTHIK RECHAN
Authorized Signatory
Quality Manager



TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-09-06-15 Date: 16/07/2019
Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name : Construction of RCC Drains at 4th Cross Ananthpura and Surrounding Areas in Ward No.03, Attur.
Agency : Sri.A.Rajendra Reddy, No: 14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference : EE(YNK.D)E-PMT-09/W.O/29/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 11-07-19
Customer ID : Drain Bottom Slab Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M20 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 16/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Drain Bottom Slab Concrete	M20	09/07/2019	16/07/2019	149.52 X	22303	8.762	406.0	18.2	18.4
					149.16 X					
					150.64					
2	Drain Bottom Slab Concrete	M20	09/07/2019	16/07/2019	149.52 X	22397	8.486	413.7	18.5	
					149.79 X					
					151.72					
3	Drain Bottom Slab Concrete	M20	09/07/2019	16/07/2019	149.78 X	22473	8.281	416.4	18.5	
					150.03 X					
					149.65					

Note:

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ಸಹಾಯಕ ಅಧ್ಯಕ್ಷರ ಅಧಿಕಾರವಾರ್ತೆ
ಯಲಹಂಕ ಸಾಟಲೈಟ್ ಉಪವಿಭಾಗ
ಜಿ.ಬಿ.ಎಂ.ಸಿ. ಬೆಂಗಳೂರು-106

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FOR CIVIL Pro.

R. KARTHIK RECHAN
Authorized Signatory
Quality Manager



TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-09-06-15
Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name : Construction of RCC Drains at 4th Cross Ananthpura and Surrounding Areas in Ward No.03, Attur.
Agency : Sri.A Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference : EE(YNK.D)E-PMT-09/W.O/29/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 18-07-19
Customer ID : Drain Side Wall Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M20 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete C15
Date of test : 23/07/2019

23/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Drain Side Wall Concrete	M20	16/07/2019	23/07/2019	149.74 X	22711	8.762	413.1	18.2	18.7
					151.67 X					
					151.13					
2	Drain Side Wall Concrete	M20	16/07/2019	23/07/2019	150.81 X	22695	8.486	429.5	18.9	
					150.49 X					
					151.45					
3	Drain Side Wall Concrete	M20	16/07/2019	23/07/2019	149.42 X	22489	8.281	425.3	18.9	
					150.52 X					
					151.13					

Note:

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ಸಾಂಪಲ್ ಉಪಯೋಗಕ್ಕೆ ಮಾತ್ರ
ಯಾವುದೇ ಉಪಯೋಗಕ್ಕೂ ಅನುಮತಿಯಿಲ್ಲ
ಇ.ಇ.ಎಂ.ಎ. ಡೌನ್‌ಲೋಡ್-106



FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager



TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-09-06-15 Date: 23/07/2019
Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name : Construction of RCC Drains at 4th Cross Ananthapura and Surrounding Areas in Ward No.03, Attur.
Agency : Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference : EE(YNK.D)E-PMT-09/W.O/29/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 18-07-19
Customer ID : Drain Side Wall Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M20 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete CI 5
Date of test : 23/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Drain Side Wall Concrete	M20	16/07/2019	23/07/2019	149.64 X 150.42 X 150.51	22509	8.762	415.9	18.5	18.5
2	Drain Side Wall Concrete	M20	16/07/2019	23/07/2019	150.91 X 150.22 X 149.56	22669	8.486	427.1	18.8	
3	Drain Side Wall Concrete	M20	16/07/2019	23/07/2019	149.84 X 149.68 X 151.86	22428	8.281	406.0	18.1	

Note:

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ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ
ಯುಪಕರಣ ಸುಪರವೀಕ್ಷಣಾ ಅಧಿಕಾರಿ
ಜಿ.ಪಿ.ಎಂ.ಸಿ. ಬೆಂಗಳೂರು-106

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FOR CIVIL Pro.
[Signature]
R KARTHIK RECHAN
Authorized Signatory
Quality Manager



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE - 3

Format No: CP/TF/01

TEST RESULTS OF STEEL

Lab ID : CP-2019-09-06-15 Date: 06-07-19

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drains at 4th Cross Ananthpura and Surrounding Areas in Ward No.03, Attur.

Agency : Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.

Customer's Reference : EE(YNK.D)E-PMT-09/W.O/29/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-07-19

Sample Type : Sunvik

Reference to BIS codes : IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.

Date of test: : 05-07-19

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm ²)	(N/mm ²)	(%)		
1	Sunvik	Fe500	8	0.391	512	652	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	528	672	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.888	544	668	20.0%	Satisfactory	Satisfactory

Note:

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ಸಹಾಯಕ ಅಧ್ಯಕ್ಷರಾದ ಅಧ್ಯಕ್ಷರಾದ
ಯು.ಪಿ.ಎಂ. ಸುಪ್ರಸನ್ನರ ಸಹವರ್ತಿ.
ಇ.ಇ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-108

(Signature)



FOR CIVIL Pro.
(Signature)
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2019-09-06-15 Date: 04-07-19
 Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
 Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
 Project Name : Construction of RCC Drains at 4th Cross Ananthpura and Surrounding
 Agency : Sri A. Rajendra Reddy, No: 14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
 Customer's Reference : EE(YNK.D)E-PMT-09/W.O/29/2019-20
 Source of Sample : Sample supplied by Agency
 Sample Condition : Satisfactory
 Date of Receipt : 01-07-19
 Sample Type : Birla Super 53grade
 Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
 IS 4031 (Part 1,2,3,4,5, 6,11):1988
 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
 IS 4031 Part 3, Determination of Soundness, Clause 5, Clause 6
 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
 IS 4031 Part 11, DETERMINATION OF DENSITY, Clause 6

Date of test : 02-07-19

Environmental Conditions during test : Temperature: 26°C
 Humidity: 72%

SL.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.61	—
2	Fineness by Air permeability method (m^2/kg , Min)	298.8	225 m^2/kg , Min
3	Density (gm/cc)	3.13	—
4	Standard Consistency (%)	28.0%	Not specified
5	Initial Setting time	150 minutes	Not less than 30 minutes
6	Final Setting time	260 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2.0mm	Not more than 10 mm

Note:

The results pertain to the samples received and tested.
 All information furnished by Customer/Representative
 Any correction in the report will make this report invalid
 This report without prior written approval should not be reproduced or published in full or part.
 Samples will be destroyed after 90 days from the date of issue of test certificate

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R. KARTHIK RECHAN
 Authorized Signatory
 Quality Manager

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL
 GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2019-09-06-15 Date: 30-07-19
Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name : Construction of RCC Drains at 4th Cross Ananthpura and Surrounding Areas in Ward No.03, Attur.
Agency : Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference : EE(YNK.D)E-PMT-09/W.O/29/2019-20
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 01-07-19
Sample Type : Birla Super 53grade
Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test : 02-07-19
Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Compressive Strength			
Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	29.0N/mm ²	Not less than 27 N/mm ²
2	7 Days	39.0N/mm ²	Not less than 37 N/mm ²
3	28 Days	57.0N/mm ²	Not less than 53 N/mm ²

Note:

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Samples will be disposed after 90 days from the date of issue of test certificate

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧ್ಯಯನಕರ
ಯಲಹಂಕರ ಉಪನಗರ ಉಪವಿಭಾಗ,
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Quality Manager

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****End of Report****